



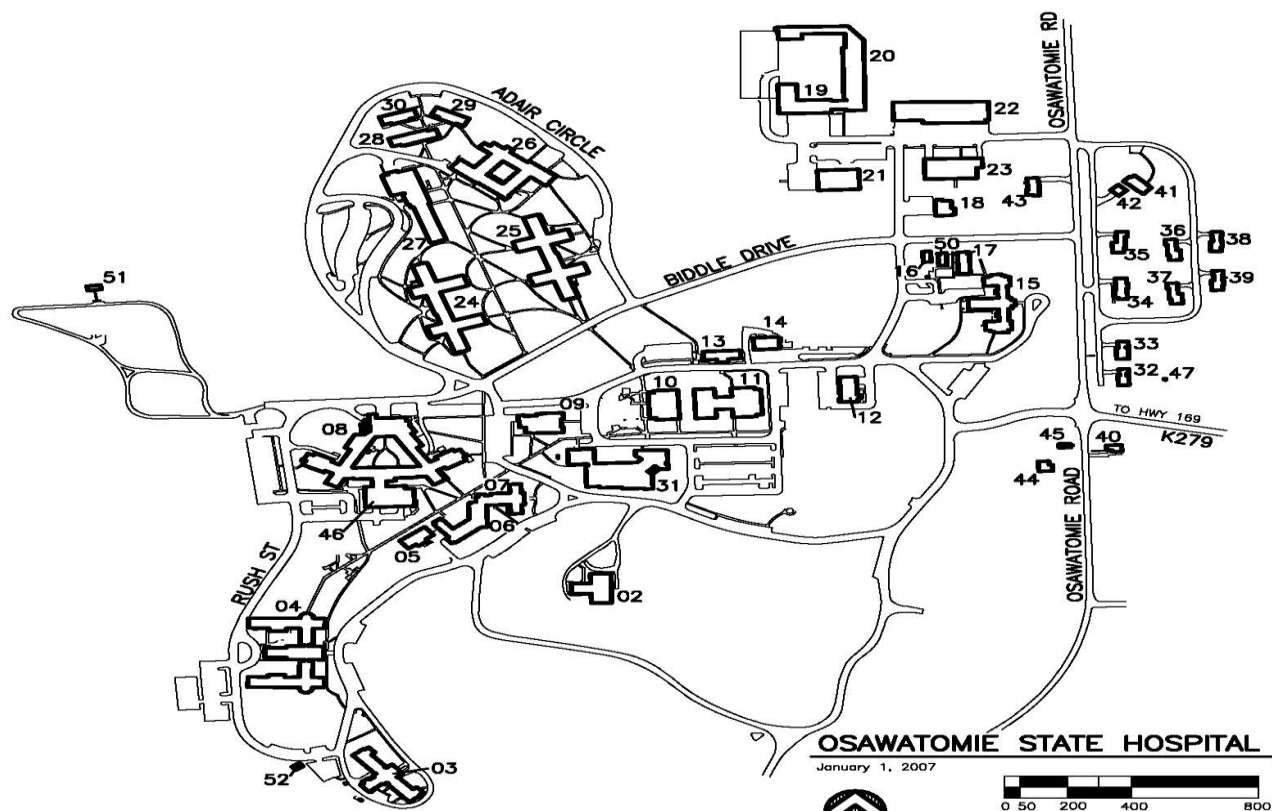
Senate Ways and Means
OSH Provisos
February 6, 2018

2017 Legislative Session

Osawatomie State Hospital Provisos

- Proviso 1:
 - KDADS to determine structural integrity of the buildings at Osawatomie State Hospital (OSH); Senate Substitute for House Bill 2002, Section 99(t)
- Proviso 2:
 - KDADS to determine cost of 100 bed stand-alone facility; Senate Substitute for House Bill 2002; Section 99(u)
- Architectural Consulting Services Provided by HTK Architects

Proviso 1: Structural Integrity of Buildings at OSH



BUILDING KEY

BLDG NO.	BUILDING NAME	YEAR BUILT
01	MAIN BUILDING—RAZED 2002	
02	WEST PAVILION (VACANT/STORAGE)	1911
03	CARMICHAEL PAVILION (TRANSFERRED TO DOC)	1923
04	RUSH BUILDING (VACANT/STORAGE)	1931
05	WEST COTTAGE	1926
06	SPECIAL SERVICES BUILDING	1950
07	NURSES' COTTAGE (VACANT)	1912
08	BIDDLE BUILDING	1952
09	COTTONWOOD RESOURCE CENTER (LIBRARY)	1956
10	AUDITORIUM	1963
11	POOL & GYMNASIUM	1963
12	CENTRAL WORKSHOP	1914
13	GEORGE A YORK SCHOOL	1921
14	INDUSTRIAL ARTS BUILDING	1921
15	DE JONG (VACANT)	1902
16	HORTICULTURE BUILDING	1948
17	GREENHOUSE #2	1948

18	FIRE & SECURITY STATION	1954
19	MAINTENANCE SHOPS & WAREHOUSE	1960
20	MAINTENANCE STORAGE BUILDING	1960
21	POWER PLANT	1958
22	SUPPLY	1958
23	LAUNDRY BUILDING	1960
24	ADAIR "A"	1961
25	ADAIR "B"	1961
26	ADAIR "C"	1961
27	SEDRICKS BUILDING (ADAIR "D")	1961
28	ADAIR LODGE "E"	1961
29	ADAIR LODGE "F"	1961
30	ADAIR LODGE "G"	1961
31	ADMINISTRATION BUILDING	1987
32	STAFF COTTAGE #1	1951
33	STAFF COTTAGE #2	1951
34	STAFF COTTAGE #3	1954

35	STAFF COTTAGE #4	1956
36	STAFF COTTAGE #5	1958
37	STAFF COTTAGE #6	1958
38	STAFF COTTAGE #7	1958
39	STAFF COTTAGE #8	1958
40	STAFF COTTAGE #9	1930
41	STAFF COTTAGE #10	1955
42	GARAGE STAFF COTTAGE #10	1955
43	STAFF COTTAGE #11	1956
44	STAFF COTTAGE #12	1937
45	GARAGE STAFF COTTAGE #12	1937
46	BIDDLE ANNEX	1987
47	EAST LIFT STATION	1961
48	OIL PUMP HOUSE	1958
49	WEST LIFT STATION	1951
50	GREENHOUSE #1	1997
51	VALLEY VIEW SHELTER HOUSE	1989
52	FIRE TRAINING BUILDING	1923

Proviso 1: Structural Integrity of Buildings at OSH

DeJong (Bldg. No 15)



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West Pavilion (Bldg. No. 02)



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Nurses Cottage (Bldg. No. 07)



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Rush (Bldg. No. 04)



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Carmichael Pavilion (Bldg. No. 03)



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George York School (Bldg. No. 13)



Proviso 1: Structural Integrity of Buildings at OSH

Phase 1

- Report assesses the condition of the major buildings and if applicable, potential uses should renovations be needed

Building Assessed	Building Map No.	Estimated Cost to Renovate	Estimated Cost to Demolish	Recommendation
DeJong	15	No Cost Provided	\$161,000.00	Raze
West Pavilion	02	No Cost Provided	\$112,000.00	Raze
Nurses Cottage	07	\$5,888,000.00 (Offices)	\$230,400.00	Possible to renovate. Cost far exceeds new facility
West Cottage	05	\$1,978,000.00 (Offices) \$1,892,000.00 (High-Functioning Patient Housing)	\$60,200.00	Possible to renovate. Cost far exceeds new facility
Rush	04	\$21,330,000.00 (Offices)	\$711,000.00	Possible to renovate. Cost far exceeds new facility
Carmichael Pavilion	03	\$10,854,000.00 (Offices)	\$341,700.00	Possible to renovate. Cost far exceeds new facility
George York School	13	\$1,540,000.00 (Offices) \$35,000.00 (Roof)	\$59,500.00	Possible to renovate.

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Biddle Building (Bldg. No. 08)



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Adair A (Bldg. No. 24)



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1. Adair B (Bldg. No. 25)
2. Adair C (Bldg. No. 26)
3. Adair D – Sedriks (Bldg. No. 27)



Proviso 1: Structural Integrity of Buildings at OSH

Phase 2

- Assessments/Recommendations Buildings – Buildings Currently in Use


Building Assessed	Building Map No.	Estimated Cost to Renovate	Estimated Cost to Demolish	Recommendation
Biddle	08	\$14,332,500.00 (Patient Housing) \$11,115,000.00 (Offices) \$8,000.00 (Masonry Repair – Annex) \$150,000.00 (Roof – Annex)	No estimate provided	Possible to renovate. Would require total remodel
Adair A	24	\$5,390,000.00	No estimate provided	Possible to renovate. Would require total remodel
Adair B	25	\$5,390,000.00	No estimate provided	Possible to renovate. Would require total remodel
Adair C	26	\$7,595,000.00 (Patient Housing) \$35,000.00 (Exterior Repairs)	No estimate provided	Possible to renovate. Would require total remodel
Adair D (Sedriks Bldg.)	27	\$3,982,000.00 (Offices) \$181,000.00 (Roof)	\$153,850.00	Possible to renovate. Would require total remodel

Proviso 1: Structural Integrity of Buildings at OSH


Assessments/Recommendations Buildings – Buildings Currently in Use

- Adair A Bldg. is the only building completely compliant with CMS anti-ligature requirements
 - All other buildings have had updates, but would require significant additional remediation
- All buildings will require updates for mechanical, electrical, and plumbing components in the next 10 years
- Renovations necessary would require total remodel, leaving only the structure and exterior walls

Proviso 1: Structural Integrity of Buildings at OSH

					
900 S Kansas Ave Topeka, Kansas 66612 (785) 266-5373					
Attachment 2					
Osawatomie State Hospital Facility Assessment					
Osawatomie, KS					
Estimate of Probable Costs-Demolition Option					
Costs are based on Site Observation- 2017					
ITEM/DESCRIPTION	QUANTITY	UNITS	UNIT COST	SUB-TOTAL	TOTAL
De Jong					
Demolition of Building and Site	23000	SF	\$ 7.00	\$	161,000
West Pavilion					
Demolition of Building and Site	16000	SF	\$ 7.00	\$	112,000
Nurse's Cottage					
Demolition of Building and Site	25600	SF	\$ 9.00	\$	230,400
West Cottage					
Demolition of Building and Site	8600	SF	\$ 7.00	\$	60,200
Rush					
Demolition of Building and Site	79000	SF	\$ 9.00	\$	711,000
Carmichael					
Demolition of Building and Site	40200	SF	\$ 8.50	\$	341,700
York School					
Demolition of Building and Site	7000	SF	\$ 8.50	\$	59,500
Adair D					
Demolition of Building and Site	18100	SF	\$ 8.50	\$	153,850
Demolition Total (see Note 1 below)				\$	1,829,650
Off-Site Hauling Total (see Note 2 below)				\$	3,000,000
Hazardous Material Abatement (see Note 3 below)				\$	500,000
TOTAL (see Note 4 below)				\$	5,329,650
Note 1: The Demolition Total above Only includes haulings costs associated with delivering and burying material and debris upon the OSH property.					
Note 2: The totals included within this line item are only required if material and debris must be hauled off OSH property. The dollar amount included above is a ballpark estimate. There are too many variables at this point to make a true and accurate determination. The \$3M total does not include Demolition total above.					
Note 3: It is assumed that hazardous material is present in the buildings. We do not have information regarding the extent or specific type of hazardous material that may be encountered. Therefore, our estimate is a ballpark estimate.					
Note 4: The Total will Only be required if the factors described within the Notes above are met.					

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Osawatomie State Hospital Facility Assessment					
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Estimate of Probable Costs-Renovation Options					
Costs are based on Site Observation- 2017					
ITEM/DESCRIPTION	QUANTITY	UNITS	UNIT COST	SUB-TOTAL	TOTAL
New Construction-For Comparison					
Estimated New Construction-Offices	1	SF	\$ 220.00	\$	220.00
Estimated New Construction-Patient Housing	1	SF	\$ 270.00	\$	270.00
Nurse's Cottage					
Renovation-Offices	25600	SF	\$ 230.00	\$	5,888,000.00
West Cottage-Options					
Renovation-Offices	8600	SF	\$ 230.00	\$	1,978,000.00
Renovation-High Function Patient Housing	8600	SF	\$ 220.00	\$	1,892,000.00
Rush					
Renovation-Offices	79000	SF	\$ 270.00	\$	21,330,000.00
Carmichael					
Renovation-Offices	40200	SF	\$ 270.00	\$	10,854,000.00
York School					
Renovation-Offices	7000	SF	\$ 220.00	\$	1,540,000.00
Roof	3500	SF	\$ 10.00	\$	35,000.00
Biddle					
Renovation-Patient Housing	58500	SF	\$ 245.00	\$	14,332,500.00
Renovation-Offices	58500	SF	\$ 190.00	\$	11,115,000.00
Masonry Repair-Biddle Annex	2000	SF	\$ 4.00	\$	8,000.00
Roof TPO or PVC-Biddle Annex	15000	SF	\$ 10.00	\$	150,000.00
Adair A					
Renovation-Patient Housing	22000	SF	\$ 245.00	\$	5,390,000.00
Adair B					
Renovation-Patient Housing	22000	SF	\$ 245.00	\$	5,390,000.00
Adair C					
Renovation-Patient Housing	31000	SF	\$ 245.00	\$	7,595,000.00
Exterior Repairs	1	LS	\$ 35,000.00	\$	35,000.00
Adair D					
Renovation-Offices	18100	SF	\$ 220.00	\$	3,982,000.00
Roof	18100	SF	\$ 10.00	\$	181,000.00

Proviso 1: Structural Integrity of Buildings at OSH

- Demolition Phase 1: work to raze DeJong, West Pavilion, Nurses Cottage, West Cottage, Rush, George York School and Carmichael Pavilion in that order. (See slide 10)
- Work to attain new facilities at Osawatomie State Hospital.
- Demolition Phase 2: work to raze Biddle, Adair A, Adair B, Adair C, and Adair D after new facilities built at Osawatomie State Hospital. (See slide 14)
- Group multiple buildings in demolition RFP requests to maximize the bidding process.

Proviso 2: Cost of Constructing 100 Bed Stand-Alone Facility

- KDADS Requested an additional cost estimate for a 200 bed stand-alone facility
- Facility would meet basic requirements for a new, stand-alone Adult Treatment Facility
 - Single occupancy rooms
 - General patient needs could be addressed without leaving facility
 - Includes treatment areas, conference rooms, offices, restrooms, etc.
 - Meets all current building/fire/safety codes
 - Ligature-free environment

Proviso 2: Cost of Constructing 100 Bed Stand-Alone Facility

- Costs
 - Expect range to be from \$250 - \$325 per square foot
 - Cost escalation avg. 3 percent per year
- Not Considered in Cost
 - Removal or backfilling of existing steam tunnels
 - Possible removal of hazardous materials from prior demolitions
 - Cost of design and construction contingency (estimated 2-6 percent of the cost of materials and labor)
- 100 Bed Facility
 - Estimated Cost: \$40,246,576 to \$52,290,549
- 200 Bed Facility
 - Estimated Cost: \$58,276,595 to \$75,726,573

Proviso 2: 100 Bed Facility Cost Estimate

100 BED UNIT (134,883 square feet)

					\$/SQ FT		SQ FT	Sub-Total Low	Sub-Total High
Low Estimate					\$250	x	134,883	\$33,720,750	
High Estimate					\$325	x	134,883		\$43,836,975
Construction Cost Escalation (2 years @ 3% per year)								\$2,023,245	\$2,630,219
Construction Cost Sub-Total								\$35,743,995	\$46,467,194
Architectural/Engineering Fees (5.6%)								\$2,001,664	\$2,602,163
Geotechnical Fees (Site Investigation and Report Only)								\$50,000	\$50,000
Survey Fees								\$50,000	\$50,000
Furniture and Fixtures (5% of Construction Costs)								\$1,686,038	\$2,191,849
Kitchen Furnishings (1% of Construction Costs)								\$357,440	\$464,672
Miscellaneous (1% of Construction Costs)								\$357,440	\$464,672
TOTAL PROJECT COST (Associated with the Building)*								\$40,246,576	\$52,290,549

*HTK Architects estimate

Proviso 2: 200 Bed Facility Cost Estimate

200 BED UNIT (195,426 square feet)

						\$/SQ FT		SQ FT	Sub-Total Low	Sub-Total High
Low Estimate						\$250	x	195,426	\$48,856,500	
High Estimate						\$325	x	195,426		\$63,513,450
Construction Cost Escalation (2 years @ 3% per year)									\$2,931,390	\$3,810,807
Construction Cost Sub-Total									\$1,787,890	\$67,324,257
Architectural/Engineering Fees (5.6%)									\$2,900,122	\$3,770,158
Geotechnical Fees (Site Investigation and Report Only)									\$55,000	\$55,000
Survey Fees									\$55,000	\$55,000
Furniture and Fixtures (5% of Construction Costs)									\$2,442,825	\$3,175,673
Kitchen Furnishings (1% of Construction Costs)									\$517,879	\$673,243
Miscellaneous (1% of Construction Costs)									\$517,879	\$673,243
TOTAL PROJECT COST (Associated with the Building)*									\$58,276,595	\$75,726,573

*HTK Architects estimate